

# ONE SEASON, FULL RETURN

EVEN A 500-ACRE FARM CAN ACHIEVE PAYBACK WITHIN ONE GROWING SEASON.

## SINGLE CROP EXAMPLE

500 acres corn/soy/wheat: Inputs (seed, chemical, fertilizer): ~\$300/acre

1. 5% overlap reduction: ~\$300/acre\*5%=\$15/acre \*500 saved=\$7,500/year
2. Fuel savings: ~\$5/acre\*500=\$2,500/year
3. Irrigation & spraying savings: ~\$2.5/acre\*500=\$1,250/year
4. Labor & yield benefits: ~\$5/acre\*500=\$2,500/year

**TOTAL SAVINGS: ≈ \$13,750/YEAR**



### GNSS Receiver

#### RTK Positioning Accuracy (RMS)

Horizontal: 0.32 inches +1 ppm  
 Vertical: 0.59 inches +1 ppm  
 Initialization Time: <5 s (typical)  
 Initialization Reliability: >99.9%  
 First Fix Time: <30 s

#### Constellation

GPS, GLONASS, BDS, Galileo, QZSS, SBAS, L-band

#### Frequency Bands

GPS: L1C/A/L2P(Y)/L2C/L5  
 Galileo: E1/E5a/E5b/E6\*  
 BDS: B1I/B2I/B3I/B1C\*/B2b\*  
 GLONASS: G1/G2  
 QZSS: L1C/A/L2C/L5 SBAS: L1C/A

#### Environment

Ingress Protection Rating: IP67  
 Humidity: 95%, condensing  
 Operating Temperature: -31 °F to 167 °F  
 Storage Temperature: -67 °F to 185 °F



### Tablet Display

#### LED Display

10.1 inches  
 1280 x 800 p  
 750 nits

#### I/O Interface

Power Supply: 12V-24V DC  
 DI \* 2, DO \* 2  
 USB 2.0 \* 1  
 12 V DC output \* 2

#### System

8-core, 2 GHz  
 2 G RAM  
 32 G ROM  
 Android 12.0

#### Environment

Ingress Protection Rating: IP67  
 Humidity: 95%, condensing  
 Operating Temperature: -4 °F to 140 °F  
 Storage Temperature: -40 °F to 158 °F



### Steering and Control Section

#### Data Interface

CANBUS  
 RS232  
 AD conversion

#### Electrical Parameters

Motor Voltage Supply Range: 9–36 V DC  
 Communication Protocol: MODBUS

#### Physical Performance

Peak Torque: 9 N•m  
 Dimensions: Diameter: 7.15 inches  
 Height: 2.38 inches  
 Weight: 6.17 lbs  
 Operating Temperature: -4 to +158 °F  
 Storage Temperature: -40 to +185 °F  
 Exterior Material: Aluminum alloy  
 Rated Speed: 100 rpm

#### Environment

Ingress Protection Rating: IP66  
 Humidity: 95%, condensing  
 Operating Temperature: -4 °F to 158 °F  
 Storage Temperature: -40 °F to 185 °F

# N50

## PRECISION DRIVE AUTONOMOUS STEERING SYSTEM FOR AGRICULTURE



### CONTACT

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## INSTALLATION & TRAINING SERVICES PROVIDED

To meet user needs, the company offers installation services along with basic operation training.

<p><b>Non-RTK</b></p> <p><b>±4 in*</b></p>  <p><b>Galileo HAS</b> Ideal for hay and dairy farms</p>	<p><b>RTK</b></p> <p><b>±1 in</b></p>  <p><b>Ideal for corn, soybean, wheat, and cotton farms</b></p>	<p><b>4</b></p> <p><b>4 steps before working</b> Easy to use</p>	 <p><b>High Reliability</b></p>
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## HIGH RELIABILITY

1. Operating Temp: -4°F to 158°F.
2. Humidity: Up to 93% RH at 104°F.
3. Anti-dust & anti-water IP67 for GNSS and display.
4. Anti-Vibration. Tested continuously for 8 hours per axis (X, Y, and Z) at 11-300Hz.

## COMPETITIVE PRICE – NO HIDDEN FEES

1. Competitive pricing with a 10-inch display.
2. No RTK unlock fee.
3. No annual subscription fee for auto-steer.
4. No ISOBUS UT unlock fee.

## ISOBUS COMPATIBLE

- AEF-certified. Seamlessly connects to:  
Sprayers | Seeders | Levelers | Fertilizers Harvesters | Balers

## KEY BENEFITS

### HIGH ACCURACY

1. The Smart Choice: Galileo HAS Mode(±4-inch). No RTK needed. Ideal for hay and dairy farms.
2. The Pro Choice: RTK Mode (±1-inch). RTK needed. Ideal for corn, soybean, wheat, and cotton farms.
3. Unique signal enhance technology. Remains reliable even when working near obstacles like trees and buildings.

### EASY TO USE

1. Easy to install. 70%~80% of farmers can install themselves.
2. Start straight line operation in Just 4 Easy Steps.
3. Support a wide range of operations including straight lines, curves, U-turns, headland turns and circular paths.
4. Remote diagnostics can solve 90%+ issues. 7X24h service hotline.



\* Positioning accuracy is a typical value achieved with Galileo HAS at 95% probability under clear-sky conditions. Final accuracy is dependent upon signal availability, atmospheric interference, and sufficient initialization/convergence time.



## COMPREHENSIVE AFTER SALES SERVICE

- *Technical support hotline 7\*24h: 214-272-9961*
- *Remote diagnostics can solve 90%+ issues*
- *Service parts are readily available*